

Abstract of the Disclosure:

A fault interrupter having a microcontroller is provided to detect actual faults. The fault interrupter initiates a periodic self-test and provides external notification to the user upon successful or unsuccessful completion of the test. The fault
5 interrupter generates the test signal at a selected time to substantially coincide with the zero-crossing of the AC power source. A manual test can also be performed using a manual test switch provided as a direct input to the microcontroller.